## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits   | Search Query                        | DBs  | Default<br>Operator | Plurals | Time Stamp          |
|-------|--------|-------------------------------------|--|---------------------|---------|---------------------|
| L2    | 140    | Bakx near3<br>Johannus<br>Leopoldus | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR                  | ON      | 2010/06/09<br>12:50 |
| L3    | 312483 | current near11<br>terminal          | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR                  | ON      | 2010/06/09<br>12:51 |
| L4    | 6      | 2 and 3                             | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR                  | ON      | 2010/06/09<br>12:51 |
| L6    | 1      | "6358764".PN.                       | USPAT;<br>USOCR  | OR                  | ON      | 2010/06/09<br>12:57 |
| s1    | 1      | 10/576312                           | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR                  | ON      | 2008/10/14<br>15:01 |
| S2    | 17     | "5629917"                           | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR                  | ON      | 2008/10/14<br>15:03 |
| S3    | 12     | "6091689"                           | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR                  | ON      | 2008/10/14<br>15:41 |
| S4    | 1      | "5936929".PN.                       | USPAT;<br>USOCR  | OR                  | ON      | 2008/10/16<br>14:14 |
| s5    | 1      | "5933402".PN.                       | USPAT;<br>USOCR  | OR                  | ON      | 2008/10/16<br>14:15 |

| S6   | 1      | "5852595".PN.  | USPAT;<br>USOCR  | OR        | ON  | 2008/10/16<br>14:15 |
|------|--------|--|--|-----------|-----|---------------------|
| S7   | 1      | "5787058".PN.  | USPAT;<br>USOCR  | OR        | ON  | 2008/10/16<br>14:15 |
| S8   | 200357 | (two or second)<br>near5 (laser or<br>wavelength)                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR        | ON  | 2008/10/16<br>14:16 |
| S9   | 554196 | (two or second) near5 (photdetect \$3 or detect\$3 or photo-detect\$3)     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR        | MON | 2008/10/16<br>14:17 |
| S10  | 40549  | S8 and S9  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR        | ON  | 2008/10/16<br>14:17 |
| S11  | 105452 | "369"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR        | ON  | 2008/10/16<br>14:18 |
| \$12 | 3315   | S10 and S11  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR        | MON | 2008/10/16<br>14:18 |
| \$13 | 412007 | (current) near17<br>(photdetect\$3 or<br>detect\$3 or photo-<br>detect\$3) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR<br>HOR | WON | 2008/10/16<br>14:20 |
| S14  | 7590   | S10 and S13  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR        | ON  | 2008/10/16<br>14:20 |

| S15  | 668    | S11 and S14  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | MOM | 2008/10/16<br>14:20 |
|------|--------|--|--|----|-----|---------------------|
| S16  | 77238  | (current) near15<br>(laser or<br>wavelength)                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/10/16<br>14:21 |
| S17  | 366    | \$15 and \$16  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/10/16<br>14:21 |
| S18  | 481235 | (connect\$3) near11 (photdetect \$3 or detect\$3 or photo-detect\$3) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/10/16<br>14:21 |
| S19  | 102    | S17 and S18  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/10/16<br>14:21 |
| \$20 | 30570  | (integrat\$3)<br>near9 (laser)                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/10/16<br>14:22 |
| S21  | 17     | S19 and S20  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/10/16<br>14:22 |
| S22  | 34     | "6072579"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/10/16<br>14:29 |

| S23  | 49 | "6487149" or<br>"6400662" or<br>"6418107" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB           | OR | MON | 2008/10/16<br>15:27 |
|------|----|---|--|----|-----|---------------------|
| S24  | 1  | 10/576312                                 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB           | OR | ON  | 2008/10/16<br>16:54 |
| \$25 | 12 | "6091689"                                 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB           | OR | M   | 2008/10/20<br>14:52 |
| S26  | 1  | "5936929".PN.                             | USPAT;<br>USOCR  | OR | ON  | 2008/10/20<br>15:02 |
| S27  | 1  | "5933402".PN.                             | USPAT;<br>USOCR  | OR | ON  | 2008/10/20<br>15:02 |
| S28  | 1  | "5852595".PN.                             | USPAT;<br>USOCR  | OR | ON  | 2008/10/20<br>15:02 |
| S29  | 1  | "5852595".PN.                             | USPAT;<br>USOCR  | OR | ON  | 2008/10/20<br>15:02 |
| S30  | 1  | "5787058".PN.                             | USPAT;<br>USOCR  | OR | ON  | 2008/10/20          |
| 531  | 1  | "5680385".PN.                             | USPAT;<br>USOCR  | OR | ON  | 2008/10/20          |
| 532  | 6  | "6741539"                                 | US-PGPUB; US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/10/20<br>15:29 |
| 533  | 1  | "6285645".PN.                             | USPAT;<br>USOCR  | OR | ON  | 2008/10/20          |
| S34  | 1  | "6134208".PN.                             | USPAT;<br>USOCR  | OR | ON  | 2008/10/20<br>15:30 |
| \$35 | 4  | 6081487"                                  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB           | OR | ON  | 2008/10/20<br>17:48 |

| <b>536</b> | 5      | "6801487"                    | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB                   | OR | MON<br>Manualian | 2008/10/20<br>17:48 |
|------------|--------|------------------------------|--|----|------------------|---------------------|
| S37        | 58     | Bakx near3<br>Johannus       | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB                   | OR | ON               | 2009/04/06          |
| S38        | 180510 | detect\$3 near11<br>terminal | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB                   | OR | ON               | 2009/04/06<br>13:38 |
| S39        | 290491 | current near11               | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB                   | OR | ON               | 2009/04/06          |
| S40        | 1      | "1" and S37 and S38          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON               | 2009/04/06          |
| S41        | 72896  | philips near2<br>electronics | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB                   | OR | ON               | 2009/04/06          |
| S42        | 42397  | \$38 and \$39                | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB                   | OR | ON               | 2009/04/06          |
| S43        | 109    | S41 and S42                  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB                   | OR | ON               | 2009/04/06<br>13:40 |

| S44         | 16001 | two near7 (laser<br>and detect\$3)  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB                   | OR | OIN | 2009/04/06<br>13:41 |
|-------------|-------|-------------------------------------|--|----|-----|---------------------|
| \$45        | 21966 | two near11 (laser<br>and detect\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB                   | OR | ON  | 2009/04/06<br>13:41 |
| S46         | 0     | S43 and S45                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/04/06<br>13:41 |
| <b>S</b> 47 | 131   | S41 and S45                         | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB                   | OR | ON  | 2009/04/06<br>13:42 |
| S48         | 9     | S38 and S47                         | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB                   | OR | ON  | 2009/04/06<br>13:42 |
| S49         | 12    | "6091689"                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OIN | 2009/04/06<br>13:45 |
| S50         | 1     | "5936929".PN.                       | USPAT;<br>USOCR  | OR | ON  | 2009/04/06<br>13:47 |
| S51         | 1     | "5933402".PN.                       | USPAT;<br>USOCR  | OR | ON  | 2009/04/06          |
| \$52        | 1     | "5790504".PN.                       | USPAT;<br>USOCR  | OR | ON  | 2009/04/06          |
| S53         | 1     | "5790504".PN.                       | USPAT;<br>USOCR  | OR | ON  | 2009/04/06<br>13:47 |
| S54         | 1     | "5781676".PN.                       | USPAT;<br>USOCR  | OR | ON  | 2009/04/06<br>13:47 |
| <b>S</b> 55 | 1     | "5761178".PN.                       | USPAT;<br>USOCR  | OR | ON  | 2009/04/06          |

| S56  | 1463   | sum\$7 near17<br>(laser and detect           | US-PGPUB;<br>USPAT;   | OR | ON            | 2009/04/06<br>13:50 |
|------|--------|--|---|----|---------------|---------------------|
|      |        | \$3)   | USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB                         |    | annamannaman. |                     |
| s57  | 11     | \$39 and \$45 and \$56                       | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB                    | OR | ON            | 2009/04/06<br>13:51 |
| \$58 | 546    | two near11 (laser and photo-detect \$3)      | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB                    | OR | ON            | 2009/04/06<br>13:53 |
| S59  | 4239   | two near11 (laser<br>and photodetect<br>\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB                    | OR | ON            | 2009/04/06<br>13:53 |
| S60  | 23602  | \$45 or \$58 or \$59                         | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB                    | OR | ON            | 2009/04/06<br>13:53 |
| S61  | 118634 | sum\$7 near11<br>process\$3                  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB                    | OR | OIN           | 2009/04/06          |
| S62  | 118807 | sum\$7 near11<br>process\$5                  | US-PGPUB;<br>US-PAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON            | 2009/04/06<br>13:55 |
| s63  | 879    | S60 and S62                                  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB                    | OR | ON            | 2009/04/06<br>13:55 |

| S64         | 106936 | "369"/\$.ccls.                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/04/06          |
|-------------|--------|--|--|----|-----|---------------------|
| S65         | 132    | S63 and S64                                      | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB                   | OR | ON  | 2009/04/06<br>13:55 |
| S6 <b>6</b> | 630    | second near11<br>(laser and photo-<br>detect\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB                   | OR | ON  | 2009/04/06<br>14:00 |
| <b>S6</b> 7 | 4085   | second near11<br>(laser and<br>photodetect\$3)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/04/06          |
| S68         | 20565  | second near11<br>(laser and detect<br>\$3)       | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB                   | OR | ION | 2009/04/06<br>14:00 |
| S69         | 22030  | S66 or S67 or S68                                | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB                   | OR | OIN | 2009/04/06          |
| <b>s</b> 70 | 56     | S65 and S69                                      | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB                   | OR | ON  | 2009/04/06          |
| S71         | 123555 | (two or second) near7 wavelength                 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB                   | OR | ON  | 2009/04/06<br>14:02 |

| <b>S</b> 72  | 4      | S70 and S71  | US-PGPUB;<br>USPAT;  | OR                                      | ON                                     | 2009/04/06<br>14:02 |
|--------------|--------|--|--|---|--|---------------------|
|              |        |  | USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB                        | онинининининининининининининининининини | annananananananananananananananananana |                     |
| \$73         | 41     | "6487149"  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB                   | OR                                      | ON                                     | 2009/04/07<br>13:08 |
| \$74         | 6      | "6400662"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                                      | ON                                     | 2009/04/07          |
| \$75         | 4273   | second near11<br>(laser and<br>photodetect\$3)                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR                                      | ON                                     | 2009/12/10<br>14:16 |
| \$76         | 51307  | second near3<br>wavelength   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB                   | OR                                      | ON                                     | 2009/12/10<br>14:16 |
| <b>\$</b> 77 | 1172   | \$75 and \$76  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB                   | OR                                      | ON                                     | 2009/12/10<br>14:16 |
| S78          | 610678 | (two or second) near5 (photdetect \$3 or detect\$3 or photo-detect\$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB                   | OR                                      | ON                                     | 2009/12/10<br>14:17 |
| <b>S</b> 79  | 13892  | S76 and S78  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB                   | OR                                      | ON                                     | 2009/12/10<br>14:17 |

| \$80        | 496617 | (off or power) near11 (photdetect \$3 or detect\$3 or photo-detect\$3)     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/10<br>14:18 |
|-------------|--------|--|--|----|----|---------------------|
| \$81        | 4539   | 579 and 580  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/10<br>14:18 |
| S82         | 108861 | "369"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/10<br>14:18 |
| \$83        | 680196 | (current or voltage) near11 (photdetect\$3 or detect\$3 or photodetect\$3) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/10<br>14:19 |
| S84         | 1635   | S81 and S83  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/10<br>14:19 |
| \$85        | 999103 | (current or<br>voltage) near11<br>(turn\$3 or switch<br>\$3)               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/10<br>14:20 |
| S86         | 419    | S84 and S85  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/10<br>14:20 |
| <b>s</b> 87 | 8      | S82 and S86  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/12/10<br>14:20 |

| 588 |    | "6400662"<br>"5500901"<br>"6487149" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | 5 | 2009/12/10<br>16:49 |
|-----|----|-------------------------------------|--|----|---|---------------------|
| S89 | 12 |                                     | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | 5 | 2010/06/08<br>16:09 |

6/9/2010 2:09:29 PM

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